

# Severe Weather Risk

November 17, 2013

Threat Assessment for south-central Indiana and  
central Kentucky

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# Expected Impacts

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## Timing:

- Severe squall line with damaging wind and tornado threat is likely late afternoon and evening
- Southern Indiana: 4-8 PM EST
- Louisville Metro: 6-9 PM EST
- Bluegrass Region: 8-11 PM EST
- Early morning storms could produce heavy rain, gusty winds ~40 mph, and small hail
- Strong south winds with gusts up to 40 mph are possible Sunday afternoon/evening outside of any thunderstorms.

# Expected Impacts with Squall Line Sunday Afternoon/Evening

Wind: Widespread wind damage is likely

Tornadoes: Isolated tornadoes are possible

Hail: Small hail, generally less than quarter size is possible

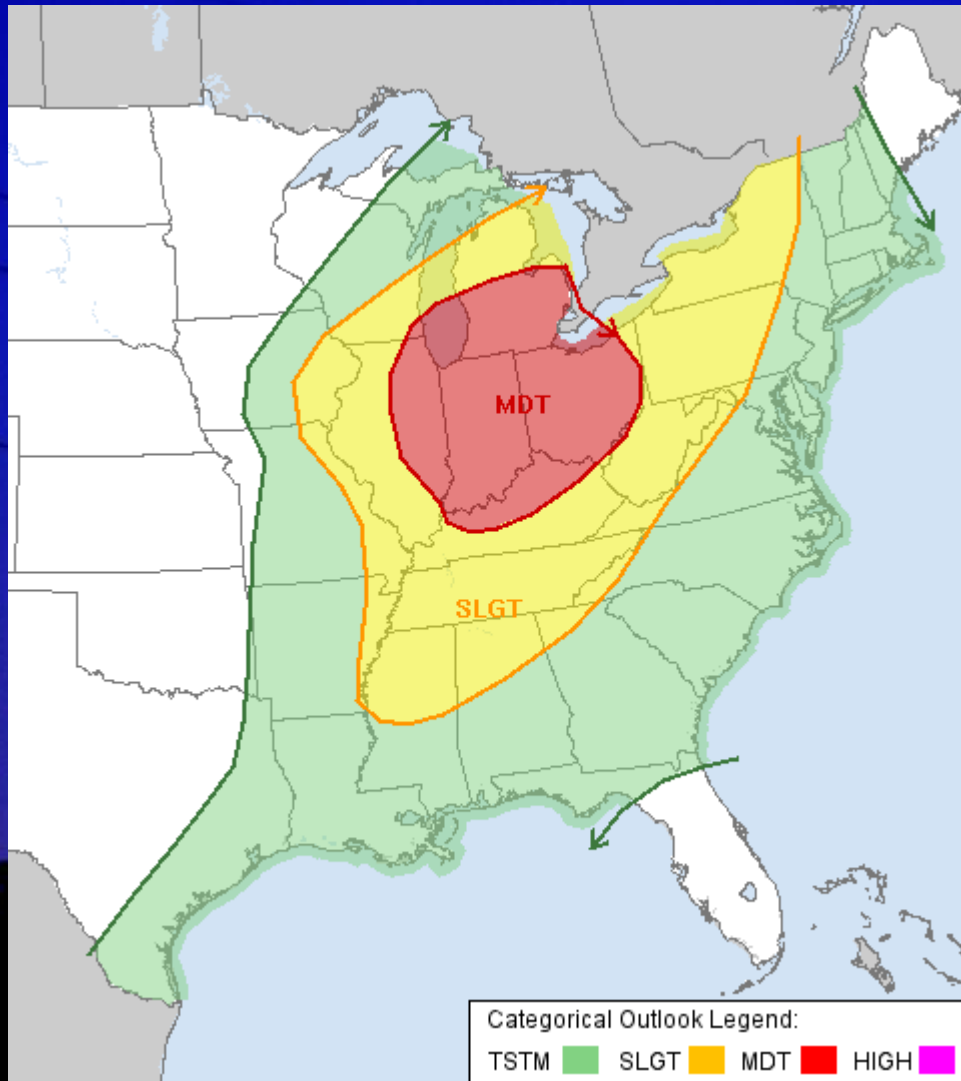
# Expected Impacts with Squall Line Sunday Afternoon/Evening

**Location:** Severe weather is possible anywhere in southern Indiana and central Kentucky

**Greatest threat is in southern Indiana, and along/north of the Western Kentucky and Bluegrass Parkways**

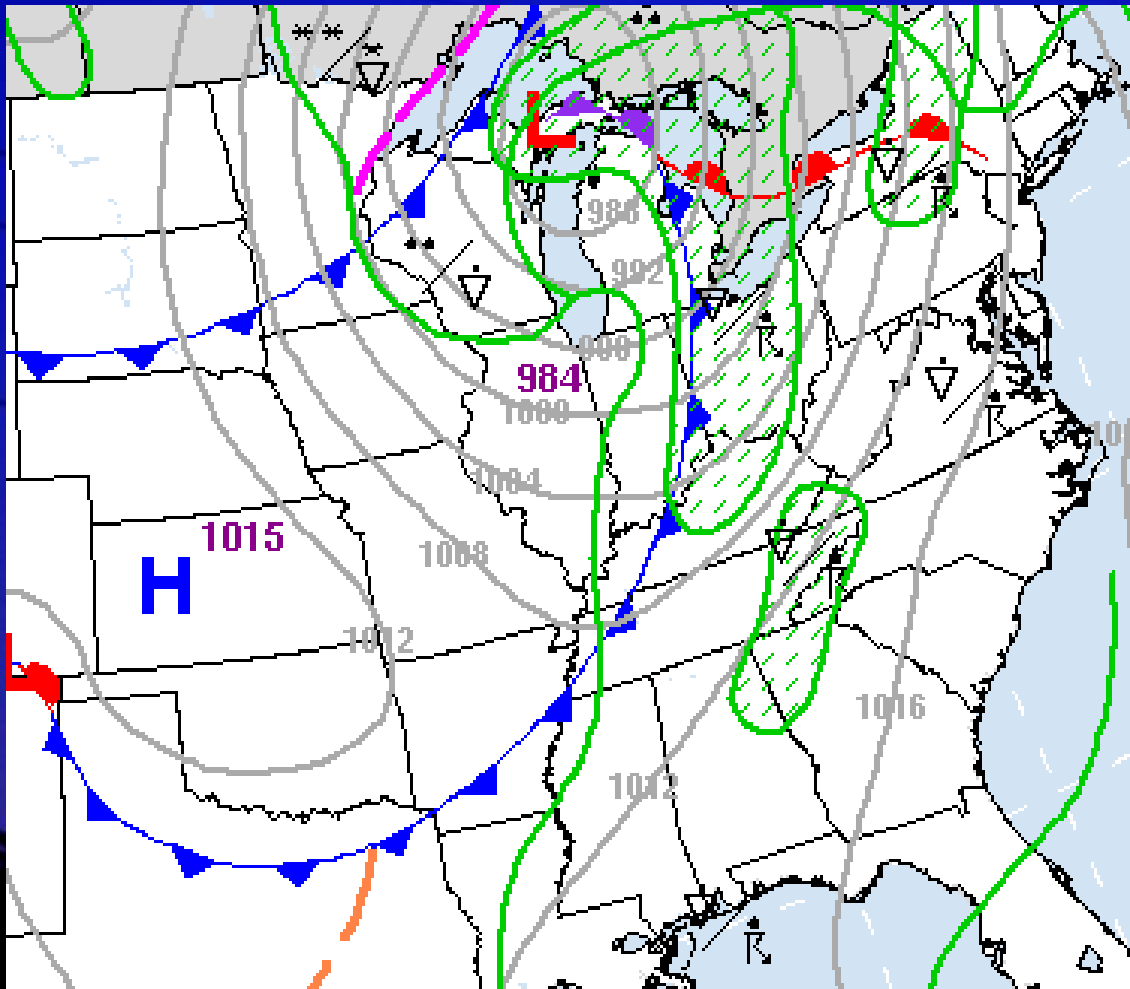


# Severe Weather Outlook



- Large squall line likely Sunday afternoon/evening
- Damaging winds and isolated tornadoes will be the main threats

# Weather Map Overview



- A strong, upper-level disturbance will move through the Upper Midwest Sunday
- This will drag a cold front through the region late Sunday
- A large, expansive line of thunderstorms will develop along/ahead of this front Sunday afternoon/evening

WPC Forecast for 7 PM EST Sunday

11/16/2013 1:42 PM

National Weather Service  
Louisville KY

# Confidence and Uncertainty

- Confidence in severe weather occurring is moderate
- Confidence in exact timing is rather low
- Limiting factor is instability
  - If we warm well into the 70s, tornado threat increases especially in southern Indiana!